

## PROPOSED AMENDED ABSTRACT

~~The invention relates to a A device for the determination of~~  
~~determining~~ flow parameters ~~of a fluid, in particular,~~  
~~particularly~~ the temperature and flow speed and changes therein,  
in a fluid flow for monitoring, ~~a method for operating such a~~  
~~device, a determination method itself and a fire recognition or~~  
oxygen measuring device provided with such a device are provided.  
~~The aim of the invention is the recognition of a A slow or sudden~~  
blockage, crack or break in a pipe system ~~(13)~~ of an aspirative  
fire recognition device is recognized by ~~means of~~ a measurement  
technique, whereby an air flow sensor ~~(1)~~, operated with a  
constant excess temperature, is combined with a regulation  
algorithm, running in a microprocessor ~~(4)~~, for monitoring ~~the~~  
pipe system fluid flow or ~~the flow resistance in the pipe system~~  
~~(13)~~. The required resistance of the air flow sensor ~~(1)~~ can thus  
be calculated ~~according to~~ by an exact sensor calibration curve  
and a precise control loop ~~(3)~~ formed. The measured values  
recorded by the air flow sensor ~~(1)~~ are ~~thus~~ extremely reliable,  
such that changes in condition for the flow parameters provide  
information about the state of the pipe system ~~(13)~~ or the intake  
system.